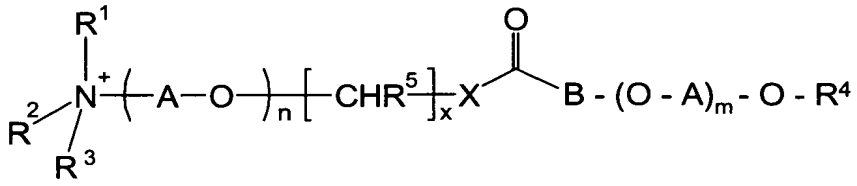
What is claimed is:

1. The use of compounds of the formula (1)



(1)

where

R^1, R^2 are each independently C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^3 is C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, $-CHR^6COO^-$ or $-O^-$,

A is a C_2- to C_4-alkylene group,

B is a C_1- to C_{10}-alkylene group,

X is O or NR^7

R^6, R^7 are each independently hydrogen, C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^4 is a C_1- to C_{50}-alkyl, C_2- to C_{50}-alkenyl radical, C_6- to C_{50}-aryl or C_7- to C_{50}-alkylaryl,

R^5 is hydrogen, -OH or a C_1- to C_4-alkyl radical,

n, m are each independently a number from 0 to 30,

x is a number from 1 to 6,

as corrosion and gas hydrate inhibitors.

2. The use as claimed in claim 1, wherein A is an ethylene or propylene group.

3. The use as claimed in claim 1 and/or 2, wherein B is a C_2- to C_4-alkylene group.

4. The use as claimed in one or more of claims 1 to 3, wherein R^1 and R^2 are each independently an alkyl or alkenyl group of from 2 to 14 carbon atoms.

5. The use as claimed in one or more of claims 1 to 4, wherein R^3 is an alkyl or alkenyl group having from 1 to 12 carbon atoms.

6. The use as claimed in one or more of claims 1 to 5, wherein R^5, R^6 and R^7 are hydrogen.

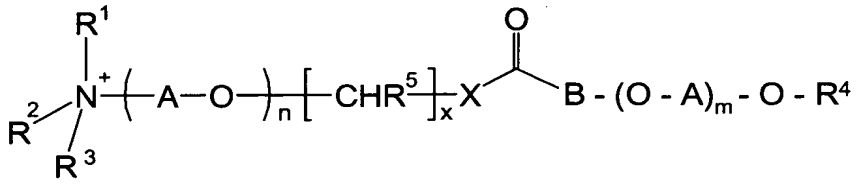
7. The use as claimed in one or more of claims 1 to 6, wherein n is a number in the range from 1 to 10.

8. The use as claimed in one or more of claims 1 to 7, wherein R^4 is an alkyl or alkenyl group having from 4 to 30 carbon atoms.

9. The use as claimed in one or more of claims 1 to 8, wherein x is 2 or 3.

10. The use as claimed in one or more of claims 1 to 8, wherein the concentration of compounds of the formula 1 is between 5 and 5 000 ppm.

11. A compound of the formula (1)



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R^6, R^7 are each independently hydrogen, C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^4 is a C_1- to C_{50}-alkyl, C_2- to C_{50}-alkenyl radical, C_6- to C_{50}-aryl or C_7- to C_{50}-alkylaryl,

R^5 is hydrogen, -OH or a C_1- to C_4-alkyl radical,

n, m are each independently a number from 0 to 30,

x is a number from 1 to 6,